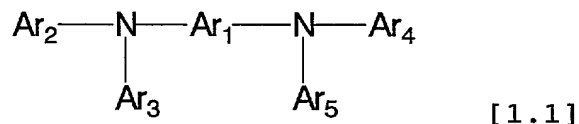


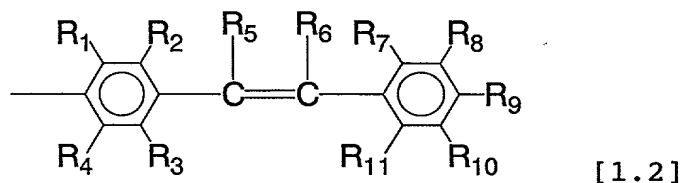
What is claimed is:

1. An organic electroluminescent device comprising one or more organic thin film layer(s) placed between an anode and a cathode, at least one of said layer being a luminescent layer,

5 characterized in that said luminescent layer comprises a compound expressed in the following general formula [1.1] in the form of a single substance or a mixture containing the same.



10 (wherein, Ar₁ represents a substituted or unsubstituted arylene group having 5 to 42 carbon atoms; at least one of Ar₂ to Ar₅ independently represents a group expressed in the following general formula [1.2]; the remaining group(s) of Ar₂ to Ar₅ independently represents an aryl
15 group having 6 to 20 carbon atoms; and at least one of Ar₂ to Ar₅ comprises at least one hydrocarbon group which may include oxygen atom(s). Ar₂ and Ar₃ and/or Ar₄ and Ar₅ may mutually bond to form a ring.)

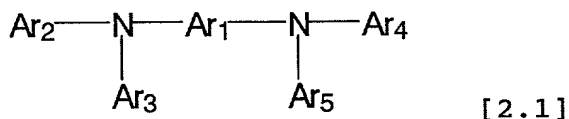


20 (wherein, each of R₁ to R₁₁ independently represents a

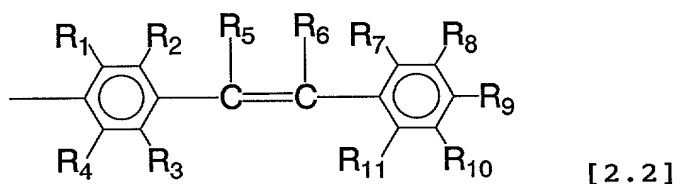
hydrogen atom, halogen atom, hydroxyl group,
substituted or unsubstituted amino group, cyano group,
nitro group, substituted or unsubstituted alkyl group,
substituted or unsubstituted alkenyl group, substituted
25 or unsubstituted cycloalkyl group, substituted or
unsubstituted alkoxy group, substituted or
unsubstituted aromatic hydrocarbon group, substituted
or unsubstituted aromatic heterocyclic group,
substituted or unsubstituted aralkyl group, substituted
30 or unsubstituted aryloxy group, substituted or
unsubstituted alkoxycarbonyl group, or carbonyl group.
Two of R_1 to R_{11} may form a ring.)

2. The organic electroluminescent device
according to Claim 1 wherein R_6 is said hydrocarbon
group.

3. An organic electroluminescent device
comprising one or more organic thin film layer(s)
placed between an anode and a cathode, at least one of
said layer being a luminescent layer,
5 characterized in that said luminescent layer
comprises a compound expressed in the following general
formula [2.1] in the form of a single substance or a
mixture containing the same.



10 (wherein, Ar₁ represents a substituted or unsubstituted
 arylene group having 5 to 42 carbon atoms; at least one
 of Ar₂ to Ar₅ independently represents a group expressed
 in the following general formula [2.2]; the remaining
 group(s) of Ar₂ to Ar₅ independently represents an aryl
 15 group having 6 to 20 carbon atoms; and at least one of
 Ar₂ to Ar₅ comprises at least one saturated hydrocarbon
 group having 2 or more carbon atoms in which oxygen
 atom(s) may be inserted. Ar₂ and Ar₃ and/or Ar₄ and Ar₅
 may mutually bond to form a ring.)



20 (wherein, each of R₁ to R₁₁ independently represents a
 hydrogen atom, halogen atom, hydroxyl group,
 substituted or unsubstituted amino group, cyano group,
 nitro group, substituted or unsubstituted alkyl group,
 25 substituted or unsubstituted alkenyl group, substituted
 or unsubstituted cycloalkyl group, substituted or
 unsubstituted alkoxy group, substituted or
 unsubstituted aromatic hydrocarbon group, substituted
 or unsubstituted aromatic heterocyclic group,
 30 substituted or unsubstituted aralkyl group, substituted

or unsubstituted aryloxy group, substituted or unsubstituted alkoxy carbonyl group, or carbonyl group. Two of R_1 to R_{11} may form a ring.)

4. The organic electroluminescent device according to Claim 3 wherein said saturated hydrocarbon group is a group bonded to an aryl group other than a group expressed in the general formula [2.2].

5. The organic electroluminescent device according to Claim 4 wherein said saturated hydrocarbon group is bonded to at least one of carbon atom directly bonded to a carbon atom bonded to a nitrogen atom, in said aryl group.

6. The organic electroluminescent device according to Claim 4 wherein Ar_2 and Ar_4 are an aryl group comprising said saturated hydrocarbon group.

7. The organic electroluminescent device according to Claim 3 wherein said saturated hydrocarbon group is at least one of R_1 to R_{11} .

8. The organic electroluminescent device according to Claim 7 wherein R_1 and/or R_4 is said saturated hydrocarbon group.

9. The organic electroluminescent device according to Claim 7 wherein Ar₃ and Ar₅ are a group expressed in the general formula [2.2] comprising said saturated hydrocarbon group.

10. The organic electroluminescent device according to Claim 3 wherein the device has at least a hole transporting layer, and the hole transporting layer contains a compound expressed in the general
5 formula [2.1] in the form of a single substance or a mixture containing the same.

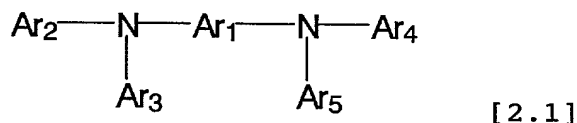
11. The organic electroluminescent device according to Claim 3 wherein the device has at least an electron transporting layer, and the electron transporting layer contains a compound expressed in the
5 general formula [2.1] in the form of a single substance or a mixture containing the same.

12. The organic electroluminescent device according to Claim 3 wherein said luminescent layer is adjacent to said anode.

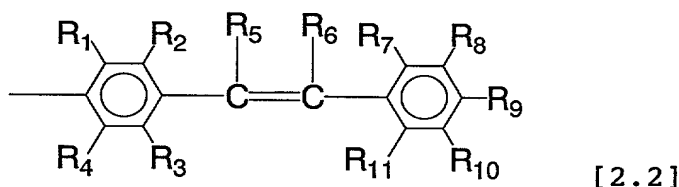
13. An organic electroluminescent device comprising at least an anode, a luminescent zone and a

cathode, the luminescent zone being formed from one or more organic thin film layer(s),

5 characterized in that said luminescent zone is adjacent to the anode, and a layer adjacent to the anode of the organic thin film layer(s) forming the luminescent zone contains a compound expressed in the following general formula [2.1] in the form of a single
10 substance or a mixture containing the same.



(wherein, Ar₁ represents a substituted or unsubstituted arylene group having 5 to 42 carbon atoms; at least one of Ar₂ to Ar₅ independently represents a group expressed
15 in the following general formula [2.2]; the remaining group(s) of Ar₂ to Ar₅ independently represents an aryl group having 6 to 20 carbon atoms; and at least one of Ar₂ to Ar₅ comprises at least one saturated hydrocarbon group having 2 or more carbon atoms in which oxygen
20 atom(s) may be inserted. Ar₂ and Ar₃ and/or Ar₄ and Ar₅ may mutually bond to form a ring.)

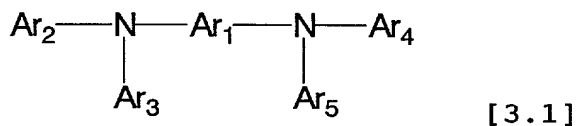


(wherein, each of R₁ to R₁₁ independently represents a hydrogen atom, halogen atom, hydroxyl group,

- 25 substituted or unsubstituted amino group, cyano group,
nitro group, substituted or unsubstituted alkyl group,
substituted or unsubstituted alkenyl group, substituted
or unsubstituted cycloalkyl group, substituted or
unsubstituted alkoxy group, substituted or
30 unsubstituted aromatic hydrocarbon group, substituted
or unsubstituted aromatic heterocyclic group,
substituted or unsubstituted aralkyl group, substituted
or unsubstituted aryloxy group, substituted or
unsubstituted alkoxycarbonyl group, or carbonyl group.
35 Two of R₁ to R₁₁ may form a ring.)

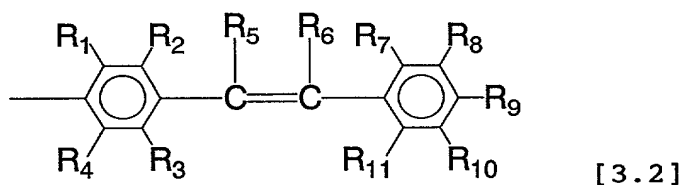
14. An organic electroluminescent device
comprising one or more organic thin film layer(s)
placed between an anode and a cathode, at least one of
said layer being a luminescent layer,

- 5 characterized in that said luminescent layer
comprises a compound expressed in the following general
formula [3.1] in the form of a single substance or a
mixture containing the same.



- 10 (wherein, Ar₁ represents a substituted or unsubstituted
arylene group having 5 to 42 carbon atoms; each of Ar₂
and Ar₃ independently represents a group expressed in

the following general formula [3.2]; and each of Ar₄ and Ar₅ independently represents substituted or unsubstituted aryl group having 6 to 20 carbon atoms. Ar₂ and Ar₃ and/or Ar₄ and Ar₅ may mutually bond to form a ring.)



(wherein, each of R₁ to R₁₁ independently represents a hydrogen atom, halogen atom, hydroxyl group, substituted or unsubstituted amino group, cyano group, nitro group, substituted or unsubstituted alkyl group, substituted or unsubstituted alkenyl group, substituted or unsubstituted cycloalkyl group, substituted or unsubstituted alkoxy group, substituted or unsubstituted aromatic hydrocarbon group, substituted or unsubstituted aromatic heterocyclic group, substituted or unsubstituted aralkyl group, substituted or unsubstituted aryloxy group, substituted or unsubstituted alkoxycarbonyl group, or carbonyl group; and R₆ is a substituent other than a hydrogen atom. Two of R₁ to R₁₁ may form a ring.)

15. The organic electroluminescent device according to Claim 14 wherein each of Ar₄ and Ar₅

independently represents a group expressed in the general formula [3.2].

16. The organic electroluminescent device according to Claim 14 wherein R_6 is an aryl group having 6 to 20 carbon atoms.

17. The organic electroluminescent device according to Claim 14 wherein R_6 is a substituted or unsubstituted alkyl group, or substituted or unsubstituted cycloalkyl group.

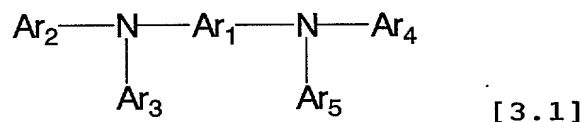
18. The organic electroluminescent device according to Claim 14 wherein the device has at least a hole transporting layer, and the hole transporting layer contains a compound expressed in the general
5 formula [3.1] in the form of a single substance or a mixture containing the same.

19. The organic electroluminescent device according to Claim 14 wherein the device has at least an electron transporting layer, and the electron transporting layer contains a compound expressed in the
5 general formula [3.1] in the form of a single substance or a mixture containing the same.

20. The organic electroluminescent device according to Claim 14 wherein said luminescent layer is adjacent to said anode.

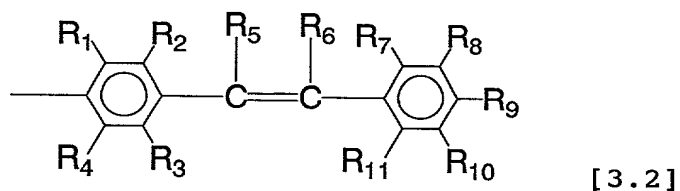
21. An organic electroluminescent device comprising at least an anode, a luminescent zone and a cathode, the luminescent zone being formed from one or more organic thin film layer(s),

5 characterized in that said luminescent zone is adjacent to the anode, and a layer adjacent to the anode of the organic thin film layer(s) forming the luminescent zone contains a compound expressed in the following general formula [3.1] in the form of a single
10 substance or a mixture containing the same.



(wherein, Ar₁ represents a substituted or unsubstituted arylene group having 5 to 42 carbon atoms; each of Ar₂ and Ar₃ independently represents a group expressed in
15 the following general formula [3.2]; and each of Ar₄ and Ar₅ independently represents substituted or unsubstituted aryl group having 6 to 20 carbon atoms. Ar₂ and Ar₃ and/or Ar₄ and Ar₅ may mutually bond to form a ring.)

20



25

30

(wherein, each of R_1 to R_{11} independently represents a hydrogen atom, halogen atom, hydroxyl group, substituted or unsubstituted amino group, cyano group, nitro group, substituted or unsubstituted alkyl group, substituted or unsubstituted alkenyl group, substituted or unsubstituted cycloalkyl group, substituted or unsubstituted alkoxy group, substituted or unsubstituted aromatic hydrocarbon group, substituted or unsubstituted aromatic heterocyclic group, substituted or unsubstituted aralkyl group, substituted or unsubstituted aryloxy group, substituted or unsubstituted alkoxycarbonyl group, or carbonyl group; and R_6 is a substituent other than a hydrogen atom. Two of R_1 to R_{11} may form a ring.)